

FIG. 1

The diagram illustrates the internal architecture of a Digital Key Telephone Interface Unit (RDKU), designated by reference numeral 13. The unit is connected to external systems via two main data highways: a PCM HIGHWAY (18) and a DATA HIGHWAY (17).

On the left, multiple input lines labeled "TO DKT" are connected to a series of transducers (130₁, 130₂, ..., 130_n). Each transducer is linked to a corresponding PING-PONG TRANSMISSION CIRCUIT (131₁, 131₂, ..., 131_n). These circuits are interconnected with a central TIME SLOT ASSIGNER (132) and a CONTROL DATA COMMUNICATION MICRO-COMPUTER (133).

The PING-PONG TRANSMISSION CIRCUITS (131₁, 131₂, ..., 131_n) send signals (B₁, B₂) to the TIME SLOT ASSIGNER (132). The TIME SLOT ASSIGNER (132) sends signals (D) to the CONTROL DATA COMMUNICATION MICRO-COMPUTER (133). The CONTROL DATA COMMUNICATION MICRO-COMPUTER (133) sends signals (D) back to the PING-PONG TRANSMISSION CIRCUITS (131₁, 131₂, ..., 131_n).

The unit is connected to the PCM HIGHWAY (18) and the DATA HIGHWAY (17) via bidirectional data paths.

DIGITAL KEY TELEPHONE INTERFACE UNIT (RDKU)

FIG. 2

FIG. 3

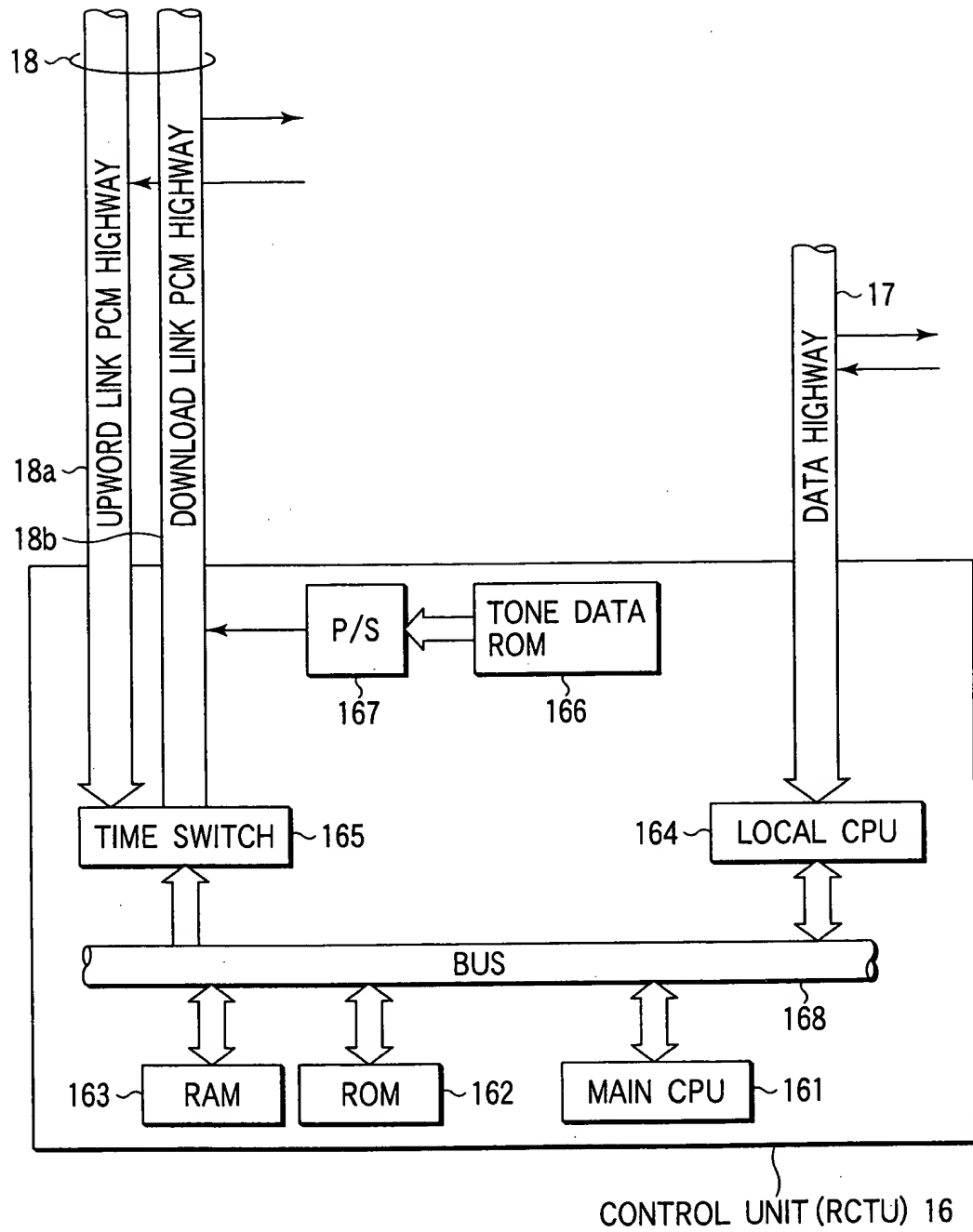


FIG. 3

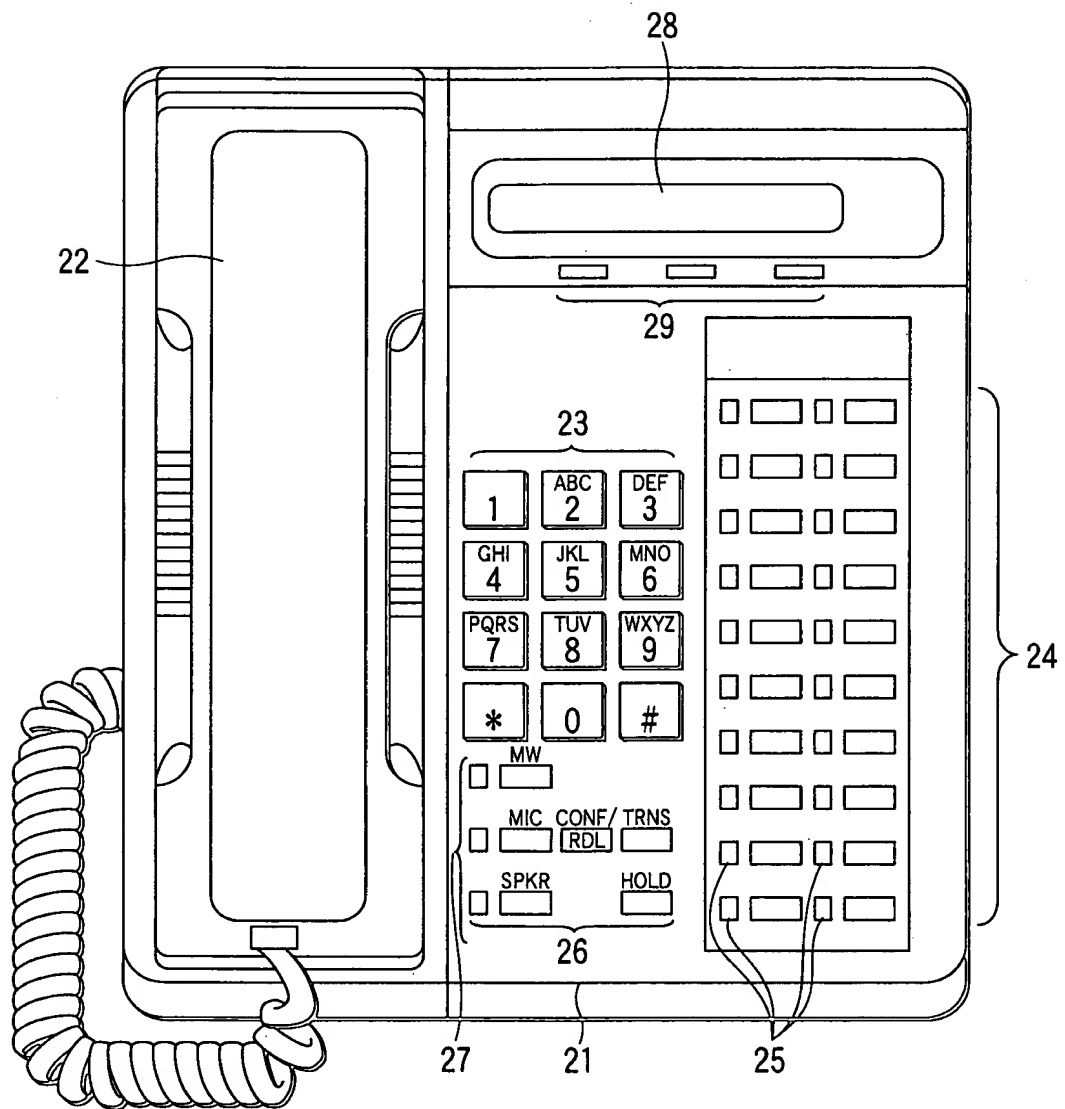


FIG. 4

FIG. 5

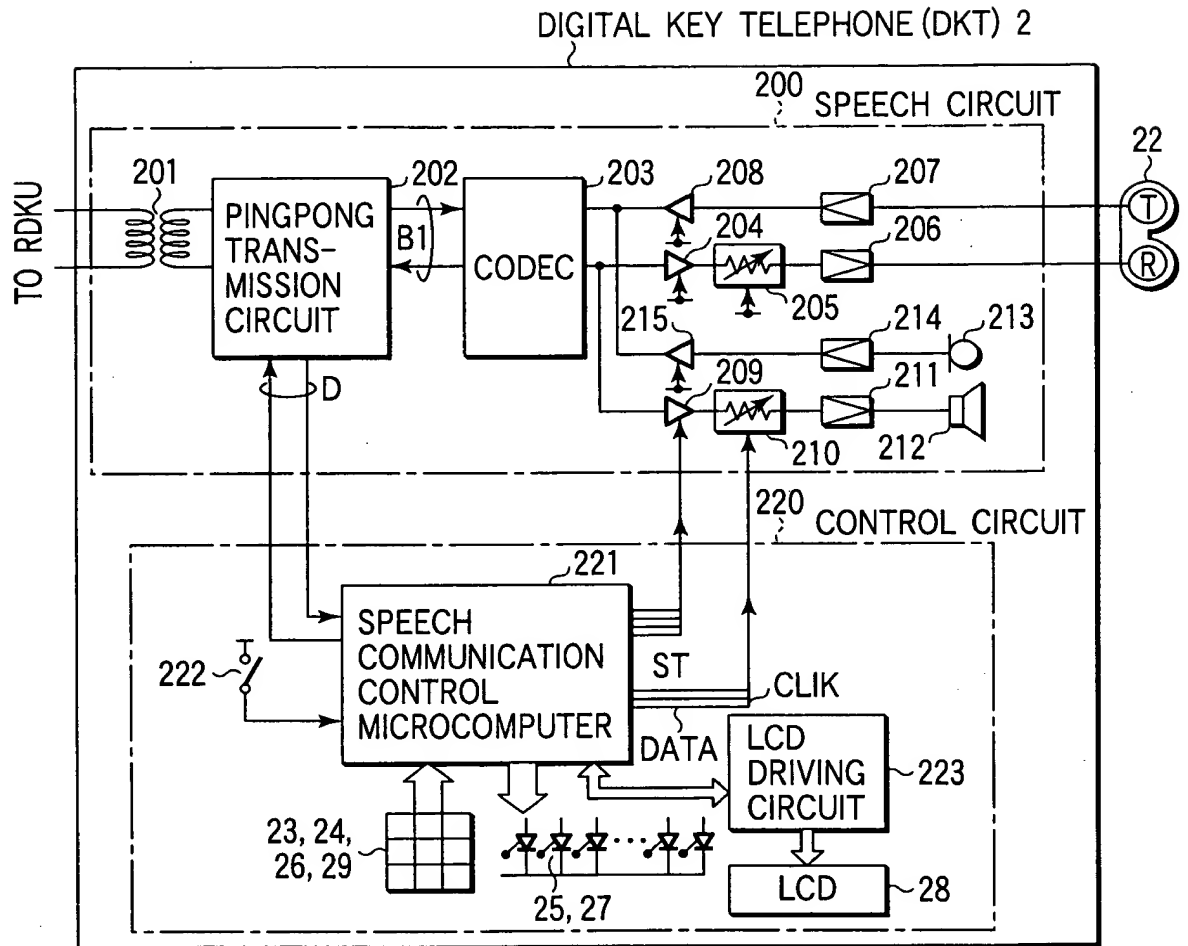


FIG. 5

10/21/80 10:00:00

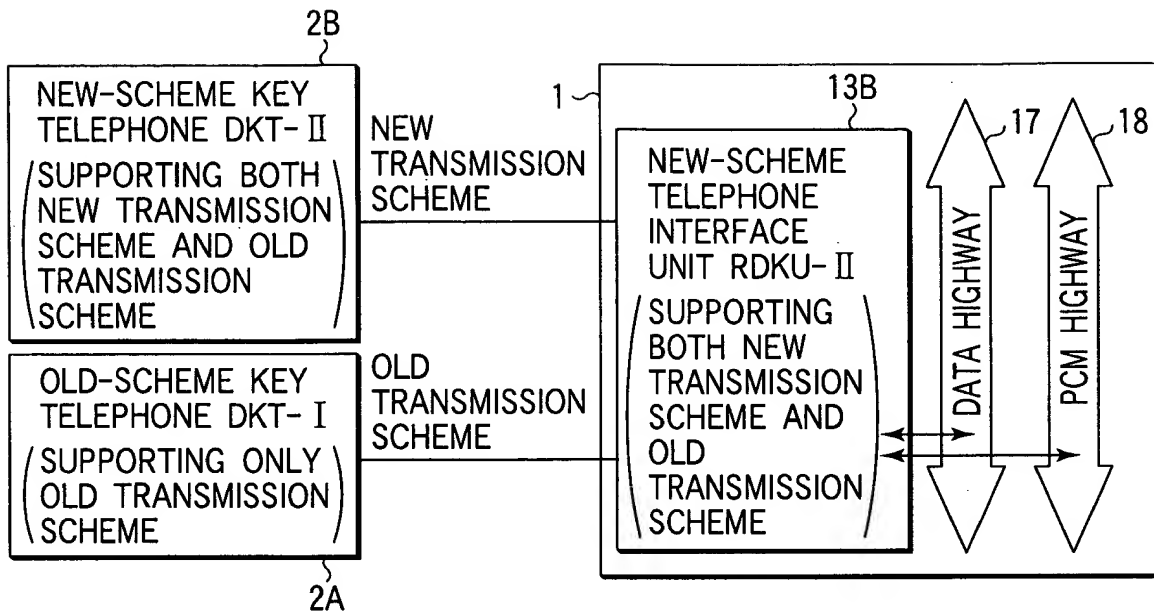


FIG. 6A

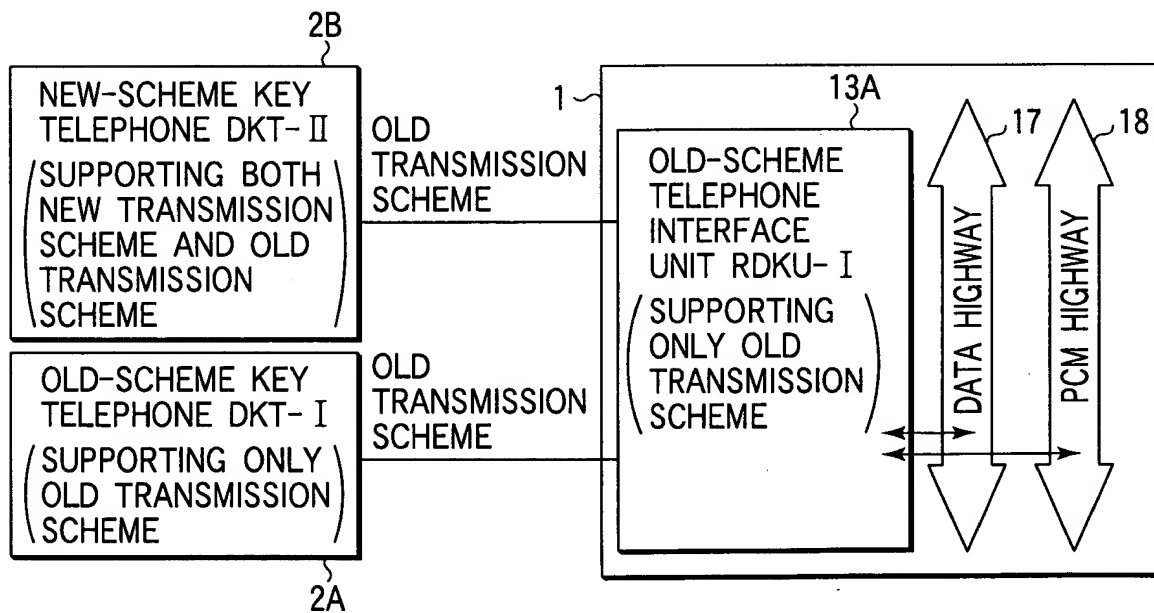
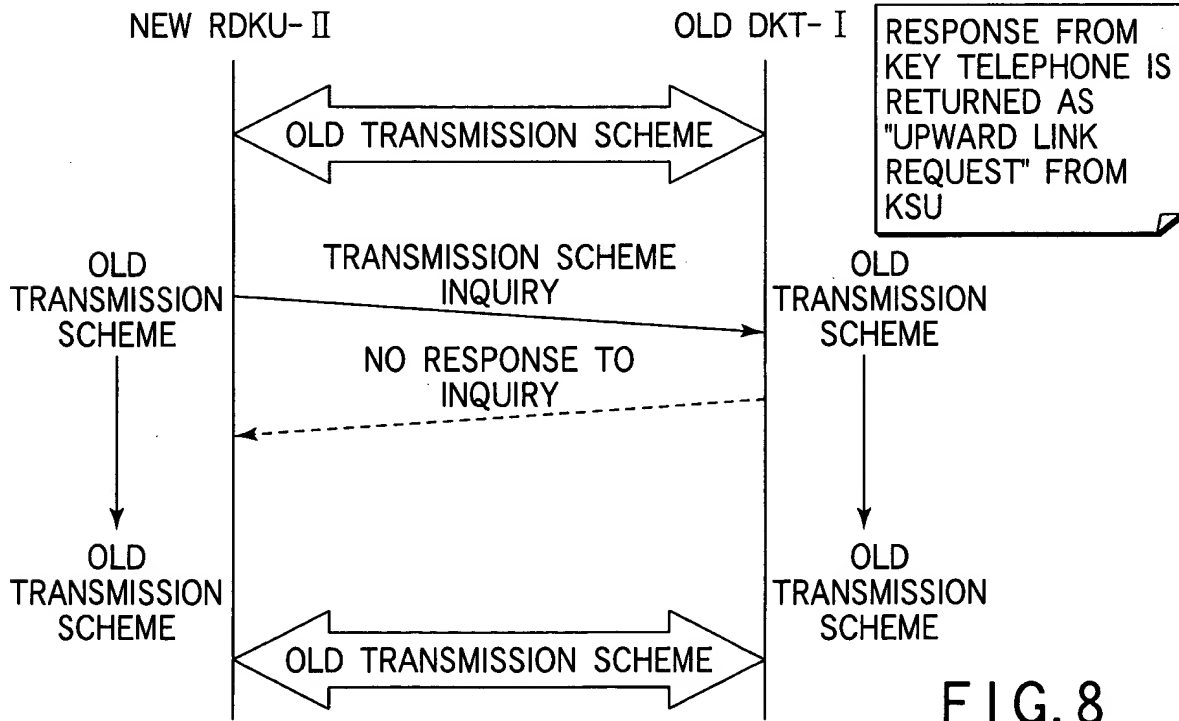
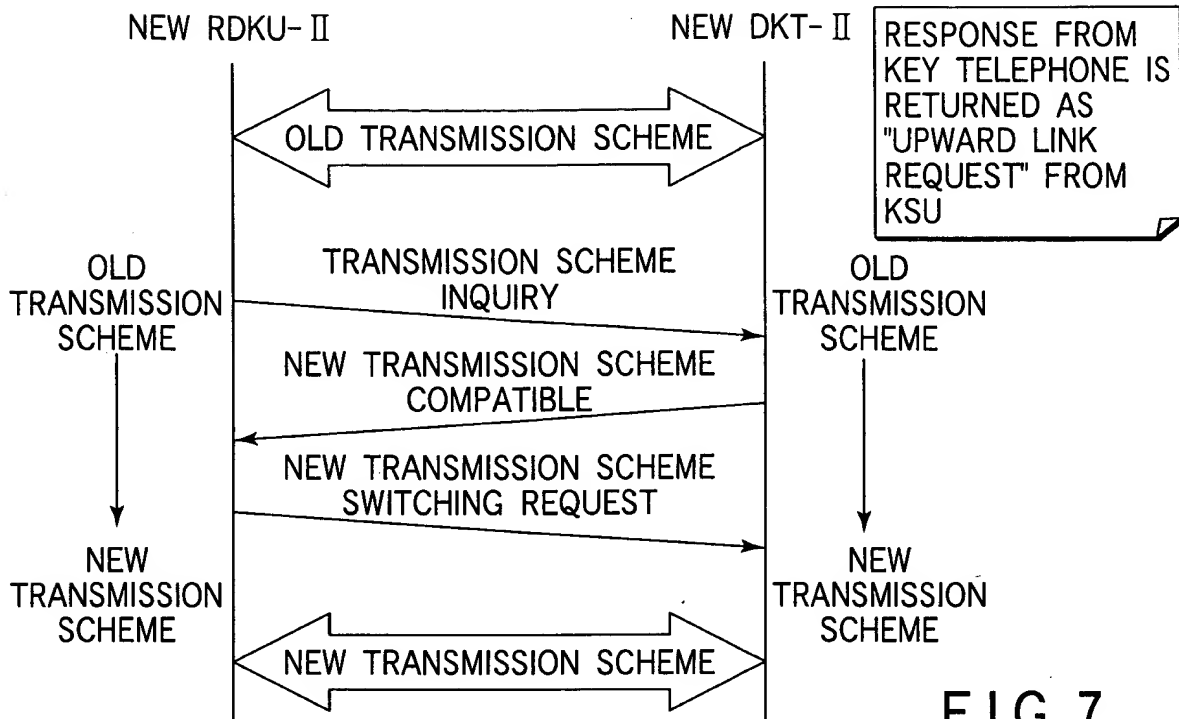


FIG. 6B

090370S-11201
T0421-8023660



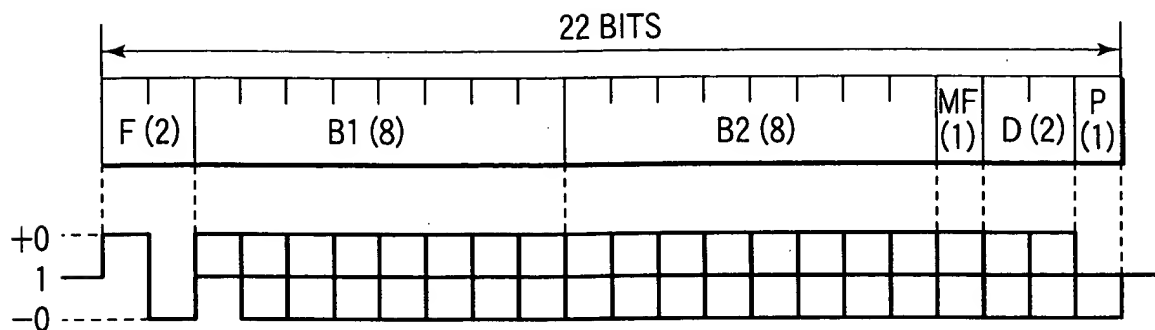


FIG. 9

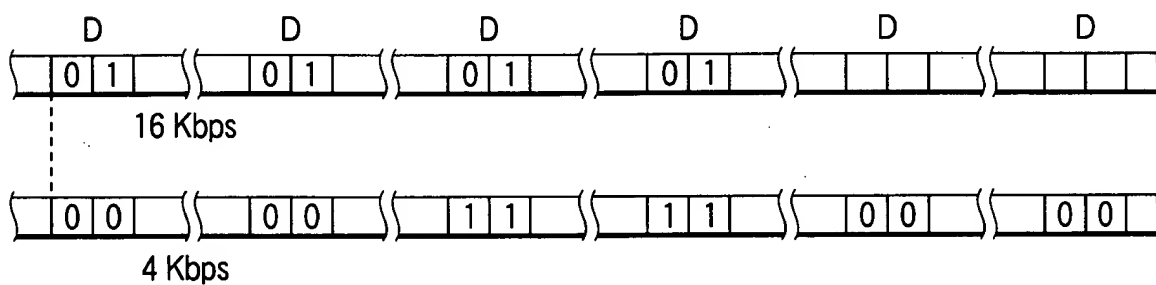


FIG. 10

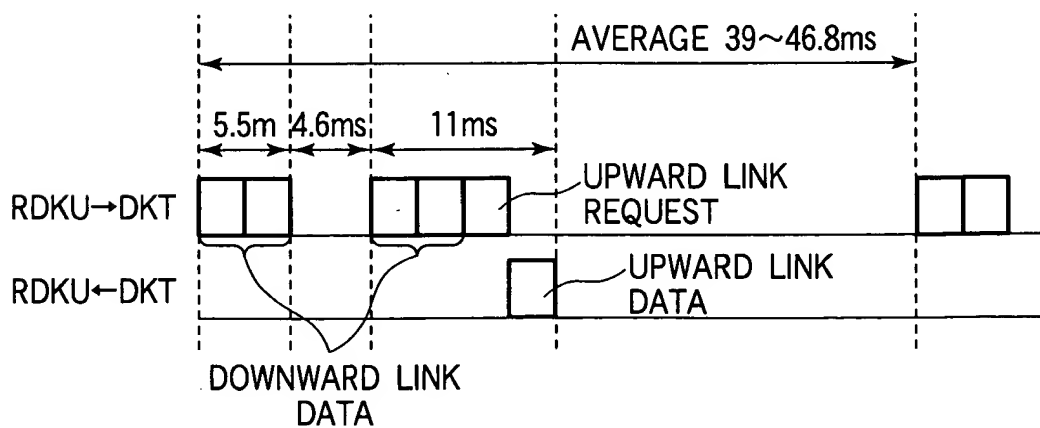


FIG. 11

FIG. 12

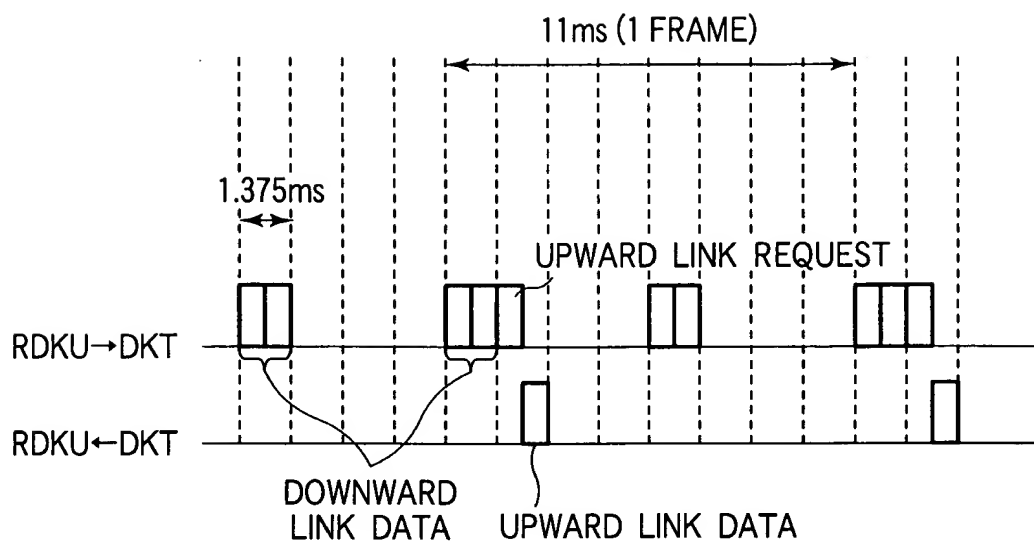


FIG. 12

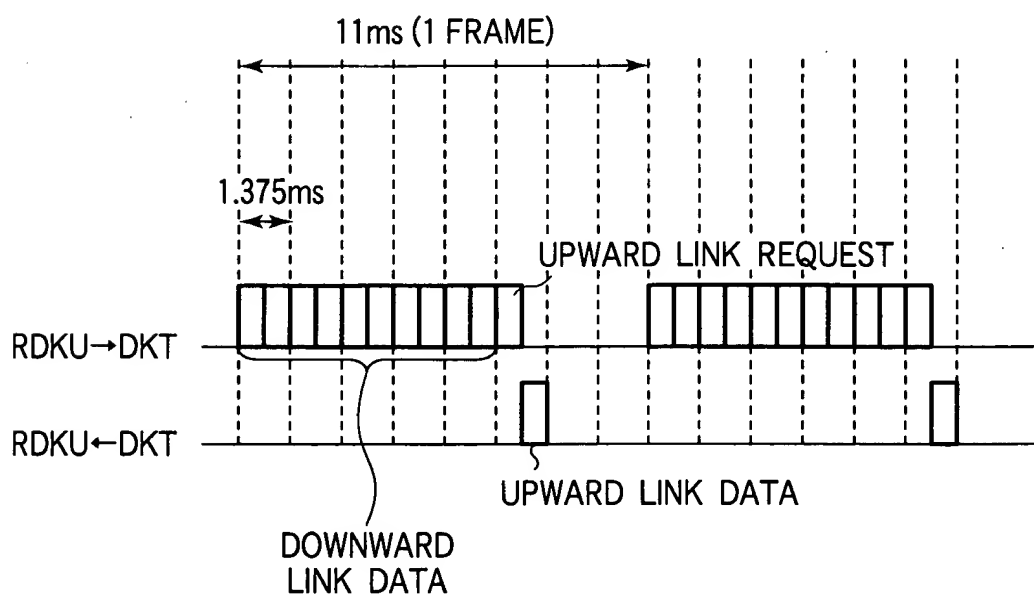


FIG. 13

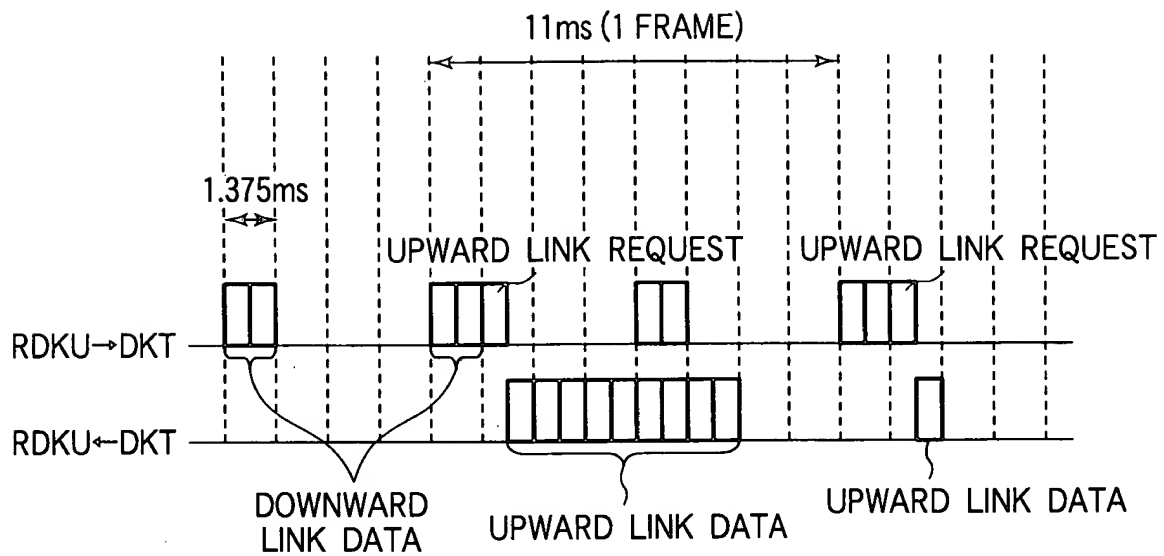


FIG. 14

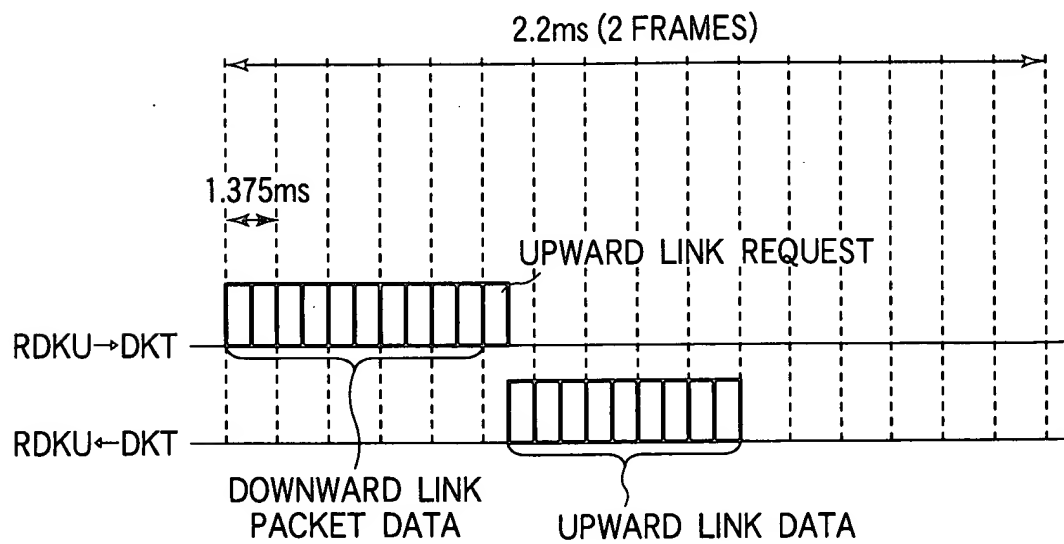


FIG. 15